

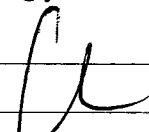
Work Order ID 145379

Tuesday, May 10, 2016 10:55:03 AM

145379

Page 1

Item ID: D206-811-011 Accept ***N900040100*** Setup Start ***NS1***
 Revision ID: Stop ***NS2***
 Item Name: 206 A/B Repl. Engine Mount (s/n 661 thru 671, 716 thru 2608, 39998 and sub)
 Start Date: 5/11/2016 Start Qty: 3.00 ***3*** Cust Item ID:
 Required Date: 5/20/2016 Req'd Qty: 3.00 ***3*** Customer:
 Reference:

Approvals: Process Plan:  Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
 QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN-D206-811-1	B								
100	DOCUMENT CONTROL	0.00							
100									
DC	Memo	0.00							
Doc.Control -USB or Paperwork	Photocopy bluefile & type labels per PPP D206-811-011 CHG 002								
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.09							
Quality Control									

MAY 10 2016

DAS
6
9-89

MCS 16-05-12

DAS
27
9-89

3X

3

MAY 16 2016

MAY 10 2016

DAS
6
9-89
DAS
28
9-89

3X

DAS
27
9-89

MAY 16 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

Work Order ID 145379

Tuesday, May 10, 2016 10:55:03 AM

145379

Page 2

Item ID: D206-811-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: 206 A/B Repl. Engine Mount (s/n 661 thru 671, 716 thru 2608, 39998 and sub)

Start Date: 5/11/2016 Start Qty: 3.00 ***3***

Cust Item ID:

Required Date: 5/20/2016 Req'd Qty: 3.00 ***3***

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130	Packaging	0.00							
130									
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D206-811-011								
	Location: _____								
	PPP Rev: _____								
140	QC21- Final Inspection - Work Order Release	0.00							
140									
QC	Memo	0.30							
Quality Control									

3X

SAS
27
9-89

MAY 16 2016

MAY 17 2016

MCJ

MCJ MAY 16 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐							
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval				
Description Work Order Deviation				Disposition				Completed By			
Root Cause				FAULT CATEGORY							
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐		Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐	
OTHER : 											

Picklist Print

Tuesday, May 10, 2016 10:55:02 AM

Page 1

Work Order ID: 145379

145379

Parent Item: D206-811-011

D206-811-011

Parent Item Name: 206 A/B Repl. Engine Mount (s/n 661 thru 671, 716 thru 2608, 39998 and sub)

Start Date: 5/11/2016

Required Date: 5/20/2016

Start Qty: 3.00

Required Qty: 3.00

Comments: IPP REV:A 13.12.17 NEW ISSUE DD VERF:JLM IPP
REV:B 14.06.19 AS PER IIN REV.B DD VERF:JLM IPP REV:C
14.07.07 per chg002/ECN14-584 DD VERF:JLM

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D4878-041		Manufactured	No				Each	3.0000	1	3		DAS 6 9-89	DAS 28 9-89
D4878-041									**				
206A/B FWD Leg Assembly, LH													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST230a				3					
				116556				1					
				121459				2					
D4878-042		Manufactured	No				Each	5.0000	1	3		DAS 6 9-89	DAS 28 9-89
D4878-042									**				
206A/B FWD Leg Assembly, RH													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST230a				5					
				116573				1					
				121545				3					
				122455				1					
D4879-041		Manufactured	No				Each	4.0000	1	3		DAS 6 9-89	DAS 28 9-89
D4879-041									**				
206A/B AFT Leg Assembly, LH													
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				ST230				4					
				118354				1					
				121382				1					
				124101				2					

MAY 10 2016

DQA: _____ Date: _____

**WORK ORDER NON-CONFORMANCE / UPDATE**

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QS1042) Approval 		
Description Work Order Deviation				Disposition					
							Completed By		
							Lead hand / Supervisor Approval Verification		
							QC / QA Coordinator Approval		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
OTHER : ☐									

Picklist Print

Page 2

Tuesday, May 10, 2016 10:55:02 AM

Work Order ID: 145379

145379

Parent Item: D206-811-011

D206-811-011

Parent Item Name: 206 A/B Repl. Engine Mount (s/n 661 thru 671, 716 thru 2608, 39998 and sub)

Start Date: 5/11/2016

Required Date: 5/20/2016

Start Qty: 3.00

Required Qty: 3.00

D4879-042

Manufactured No

Each

4.0000

3

D4879-042

206A/B AFT Leg Assembly, RH

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST230

4

118355

1

121585

1

124356

2

Each

6.0000

3

D4928-041

Manufactured No

D4928-041

206A/B Leg Assembly LH

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST230

6

116918

4

118356

2

Each

5.0000

3

D4928-042

Manufactured No

D4928-042

206A/B Leg Assembly RH

**

DAS
28
9-89

Location

Loc Qty

Loc Code

ST230

5

123309

4

137978

1

2
1

DAS
27
9-89

MAY 10 2016

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date : _____	Step #: _____	QTY Effective : _____		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due	☐ Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence			
OTHER : _____					

Table 2. – Fastener Torque

Fastener Type	Torque (in-lbs)	Torque (N*m)
1/4-28 	90	10.2
5/16-24 3/8-24 	125-145	14.1-16.4

4.0 WEIGHT AND BALANCE

The following is the net weight increase associated with the D206-811-011/-013 Kits.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D206-811-011 REPLACEMENT ENGINE MOUNT KIT (Bell 206A/B Series S/N 661-671, 716-2608, 39998 and Sub)	1.9 lb 0.86 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	135.5 in 3.44 m	257 in-lb 3.0 m-kg
D206-811-013 REPLACEMENT ENGINE MOUNT KIT (Bell 206A/B Series S/N 2609 and Sub)	1.7 lb 0.77 kg	0.0 in 0.0 m	0.0 in-lb 0.0 m-kg	135.5 in 3.44 m	230 in-lb 2.6 m-kg

5.0 PARTS LIST

Qty -011	Qty -013	Part Number	Description
X		D206-811-011	REPLACEMENT ENGINE MOUNT KIT (206A/B Series S/N 661-671, 716-2608, 39998 and Sub)
	X	D206-811-013	REPLACEMENT ENGINE MOUNT KIT (206A/B Series S/N 2609 and Sub)
1		D4878-041	FWD LEG ASSY, LH
1		D4878-042	FWD LEG ASSY, RH
1		D4879-041	AFT LEG ASSY, LH
1		D4879-042	AFT LEG ASSY, RH
1		D4928-041	LEG ASSY, LH
1		D4928-042	LEG ASSY, RH
	1	D4880-041	FWD LEG ASSY, LH
	1	D4880-042	FWD LEG ASSY, RH
	1	D4881-041	AFT LEG ASSY, LH
	1	D4881-042	AFT LEG ASSY, RH
	1	D4882-041	LEG ASSY, LH
	1	D4882-042	LEG ASSY, RH